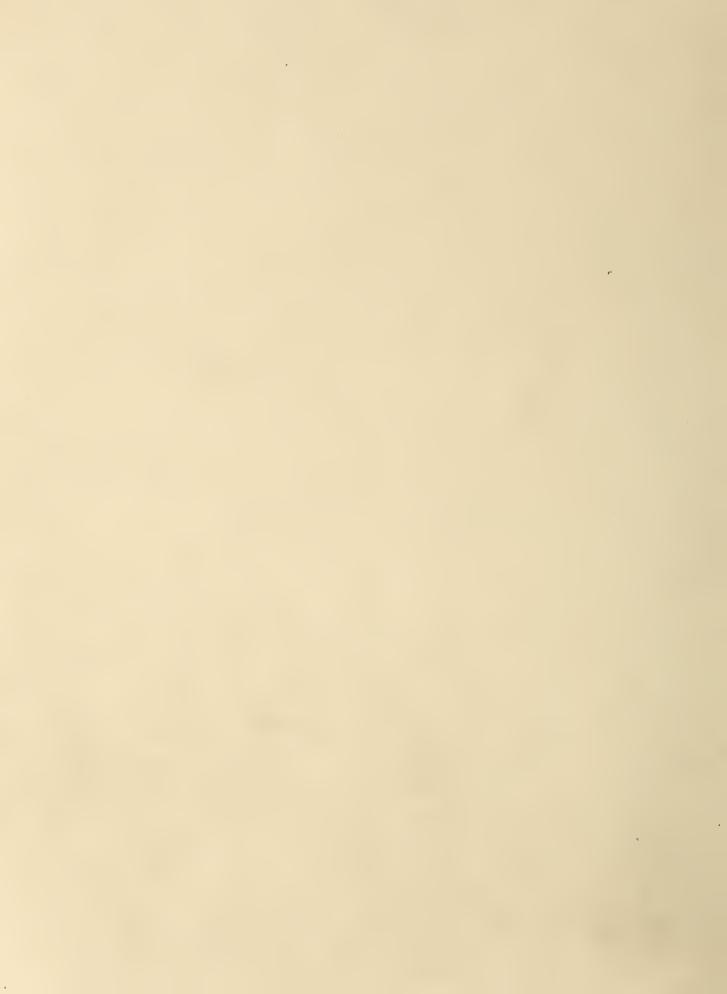
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FEDERAL-STATE COOFERATIVE SNOW SURVEY AND IRRIGATION WATER SUPPLY FORECASIS

FOR

COLORADO RIVER BASIN

Report Prepared

bу

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and

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Miscellaneous Series Paper No. 492 Colorado Agricultural Experiment Station

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WATER SUPPLY OUTLOOK COLORADO RIVER DRAINAGE May 1, 1951

Snow accumulation on the headwaters of the Colorado River in Wyoming and Colorado is generally above average for May 1, and considerably above this date in 1950. Snow cover is well above normal on the headwaters of the Green in Wyoming, Green River tributaries in Colorado and on the source of the Colorado and Gunnison Rivers in Colorado. Elsewhere on the Colorado River drainage in Colorado snow cover is normal or slightly below normal. On New Mexico tributaries snow fall has been deficient. Soil moisture conditions are reported as fair to good in Wyoming and Colorado except for the extreme southwest section of Colorado.

The water supply outlook in Arizona continues to be unfavorable. Stream flow and reservoir storage is at minimum levels.

COLORADO RIVER AND TRIBUTARIES IN COLORADO

Colorado River (Above Glenwood Springs): The snow cover on the Colorado and Roaring Fork Rivers above Glenwood Springs is substantially above normal and for this date a year ago. At high elevations north of the Colorado River and on the Grand Mesa in Western Colorado the current snow cover is slightly below normal. The summer flow of the Blue River and adjacent tributaries to the Colorado will be much above average since current snow cover is the highest since snow surveys were started in 1936. Storage in Green Mountain reservoir is now 46,000 acre-feet as compared to 48,000 acre-feet on May 1, 1950. Boil moisture conditions are reported as fair to good. Stream flow is about normal.

Gunnison River: The summer flow of the Gunnison River above Black Canyon will be above normal for the 1951 season, but somewhat below normal at Grand Junction. Snow cover near the Continental Divide and near Kebler Pass is well above average. To the south of the river on the Lake Fork, Uncompanier and other tributaries the snow cover is deficient. Precipitation in valley areas has been below normal and soil moisture conditions are described as fair. Stream flow is near average. Storage in Taylor Park reservoir is now 50,000 acre-feet as compared to 75,000 acre-feet a year ago. The general outlook for the Gunnison drainage is similar to that for the 1950 season.

Yampa and White Rivers: The snow cover on the Yampa and White Rivers is slightly above normal for this date. Soil moisture conditions in valley areas are reported as good. Stream flow is slightly above normal. The summer runoff will be above average on the Yampa and near average on the White River.

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San Juan and Animas Rivers: The water supply outlook on the San Juan, Animas and other streams in southwestern Colorado is not favorable. Snow accumulation throughout the winter season has been much below normal. Although current snow cover is above last year on May 1, snow melt season runoff will probably be similar to 1950 or about 60 percent of normal. Additional precipitation near the end of April has improved soil moisture conditions in valley areas and are now reported as fair to good. Current stream flow is much below average. Range and crop conditions are described as fair due to an extended period of drowth. Storage in Vallecito reservoir is now 33,300 acre-feet as compared to 27,900 a year ago and is well below average since the reservoir was built. In Jackson Gulch reservoir there is now stored 3,420 acre-feet, about one-half of that stored on May 1, 1950.

Dolores River: The snow cover on the Dolores River watershed is above a year ago but well below average. The remaining snow is due in part to delay in snow melt. The water supply outlook is comparable to streams in the San Juan Basin. Soil moisture conditions have improved somewhat in the Cortez district as a result of rain near the end of April. Storage in Groundhog reservoir is now 4,300 feet.

GREEN RIVER IN WYOMING

On the headwaters of the Green River in Ayoming the snow cover was extremely high on April 1 and continues to be high on May 1. The estimates of summer runoff are similar to a year ago when the runoff was nearly twice normal. The April-September discharge of the Green River at Linwood, Utah is expected to be about 1,900,000 acre-feet. Soil moisture and range conditions are reported as very good. Precipitation in mountain areas since May 1 is reported to be very high.

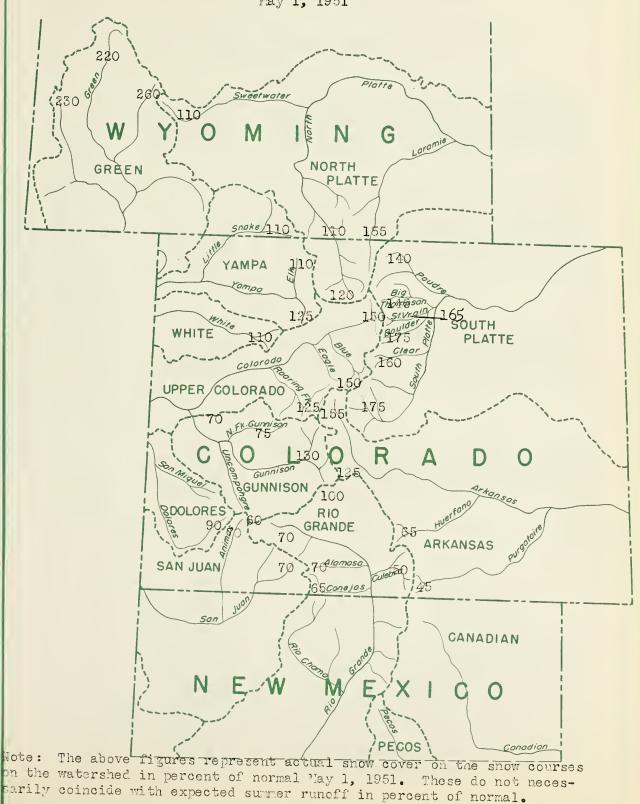
COLORADO RIVER AND TRIBUTARIES IN ARIZONA

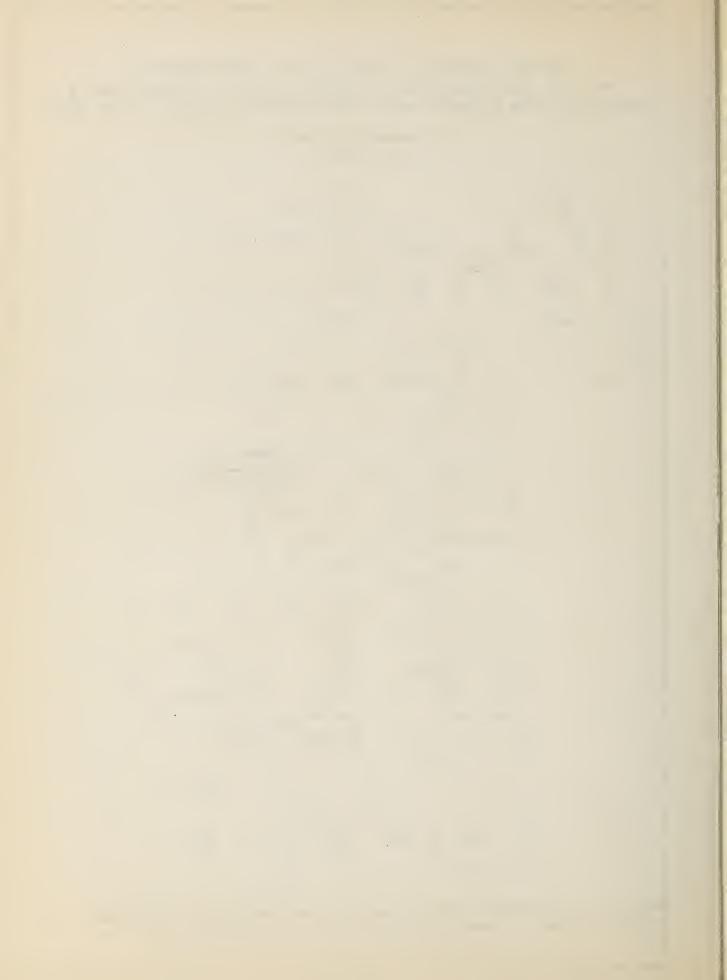
The water supply outlook for the Colorado River tributaries in Arizona continues to be unfavorable. There was some snow at high elevations in Arizona during the latter part of April but no runoff is expected from this snow fall. Stream flow is less than for any similar period in 38 years of record. Reservoir storage is a small fraction of the past ten year average and lower than a year ago at this time. The irrigation water supply will be extremely short on the Salt, Verde and Gila irrigated areas for 1951. Soil moisture conditions are reported as fair on the Verde drainage but extremely dry on the Salt and Gila watersheds.

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WATER CONTENT OF SNOW ON THE WATERSHEDS OF
PLATTE, ARKANSAS, UPPER COLORADO AND RIO GRANDE BASINS
BASED ON SNOW SURVEYS MADE APPROXIMATELY FIRST DAY OF MONTH

In Percent of Normal May 1, 1951

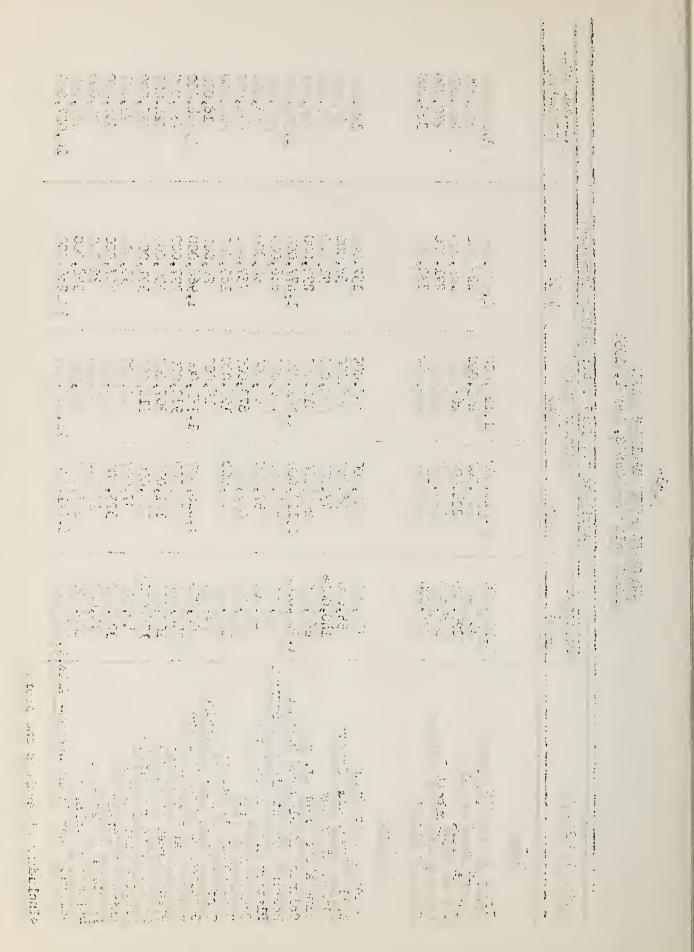




COLORADO RIVER DRAINAGE BASIN STREAM FLOW FOREGASTS, May 1, 1951

		April-Sept.,	Incl.,	Streamflow, Acre Feet	
BASIN AND STREAM	Forecast	Meas	red Ru		10-year Avg.
	1951	1950	1949	1948	1940-1949
GREEN					
Green at Linwood, Utah Little Snake at Lily	1,900,000 350,000	2,118,000	1,145,000	1,077,000	1,174,000
Elk at Clark Yampa at Steamboat Springs	225,000 300,000	224,000 245,000	267,000	189,000	209,000
White at Meeker	275,000	303,000	1,004,000	332,000	325,000
COLORADO					
Colorado near Granby	250,000%	144,000	137,000	152,000	196,000
Willow Creek near Granby	55,000	56,000	56,000	38,000	39,000
Blue above Green Mt. Res.	450,000	254,000	318,000	292,000	287,000
Colorado at Glenwood Springs	1,900,000	1,112,000	1,581,000	1,477,000	1,438,000
Roaring Fork at Glerwood Springs	000,006	633,000	799,000	888,000	759,000
Plateau Creek at Collbran	000,017	52,000	58,000	58,000	63,000
Unnison at lola	000,000	000,574	073,000	737,000	554,000
Surface Creek near Cedaredge	12,000	75,000	15,000	29,000	18,000
Gunnison at Grand Junction	1,100,000	1,038,000	1,751,000	1,966,000	1,584,000
San Juan at Rosa, N.W.	350,000	379,000	973,000	797,000	739,000
Piedra Creek at Piedra	100,000	121,000	307,000	230,000	224,000
Los Finos near Bayfield	125,000%	168,000	314,000	321,000	235, COO
florida near Durango	000,01	37,000	000,66	93,000	73,000
Animas at Durango	325,000	323,000	000,469	567,000	548,000
La Llata at Hesperus	15,000	17,000	15,000	32,000	32,000
Colorado near Grand Canyon-Ariz, 9,200,000	200,000	207,000	359,000	348,000	334,000

*Including Diversions and storage



SNOW SURVEYS AND IRRIGATION WATER FORECASTS COLORADO RIVER BASIN

STATUS OF RESERVOIR STORAGE, MAY 1, 1951

MAGGEN AMP CORDANG	DESCRIPTION	USABLE	<u></u> ТПОПТ	THOUS AND	ከንግርጥ TN	C VANA TITIORA BEARDING	[A031 mile
DADIN AND DINEAR	TIPO DITIONALIA	T T TOW TWO	1	בייות ממועים	Toron 1	OF CHANGE	701 HAL 4
		(Thous, A. Ft.	1951	1950	6761	19/18	10-year Avg.
			-//-	2//-			(+ (- o- (-
COLORADO DE ATNAGE		~~~~	~~				
Taylor River	Taylor Park	106.2	50,3	75.3	62.2	87.8	72.3
Los Pinos miver	Vallecito	126.3	33.3	77.9	32.3	20°7	37.9 *
Groundhog Creek	Groundhog	21.7	4.3	11.0	8,5	16.7	10.5
Blue hiver	Green Mountain	146.9	15.7	0.84	50°4	50°7	26.0 *
Colorado River	Lake Mead	27935.0	16500.0	17730,00	17869.0	19155.0	19715.0
Colorado River	Lake Havasu	668.0	5°499	8.099	4.959	8,999	596,3
SALT AND GILA DRAINAGE		operature 11 mass					
Salt River	Roosevelt	1420.0	702	225.0	439.7	153.2	587.7
=	Horse Mesa	245.0	121.3	241.0	192.8	155.0	205.5
=	Mormon Flat	58.0	51.0	54.1	17.8	43.1	1,8,2
2	Stewart Mt.	70,0	144.5	17°71	38.0	47.4	52.3
Verde River	Bartlett	179.5	8.7	1,3,0	131.9	21.3	89.0
Aqua Frio River	Carl Pleasant	173.0	-	9.9	30°6	0.0	35.3
Gila River	San Carlos	1200,00	000	15.0	252.7	14.4	268,3
Verde River	Horseshoe	67.0	1°0	1.4	25,3	0.1	18.3 *

	PRECI	ECTPITATION	DATA		
WATERSHED	STATE	Precipitation October 1 to	Departure from	Precipitation	Departure from
		April 31	Normal	April	Normal
		Inches	Inches	Inches	Inches
Colorado	Colorado	9,11	1.80	1.65	-0.02
Green	Wyoming	1,76	-1.04	1.10	*0°11
San Juan	New Mexico				
Colorado	Arizona	5,30	-4,81	1.73	*0 ,62
Gila	Arizona	5.33	-3,68	1.64	+1.16
			•		

*Some for shorter periods

- January Land		
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SNOW SURVEYS AND IRRIGATION WATER FORECASTS for COLORADO RIVER BASIN May 1, 1951

SUPPLARY OF MAY 1 SNOW SURVEYS AND COMPARISON OF DATA WITH THAT OF PREVIOUS YEARS BY MATERSHEDS

r Content	nt of		1950			133	135	<u>18</u>	27	123	011	011	1	110	1
1951 Water Content	in percent of	Fifteen	year	Avg. *		138	124	72	103	108	89	223	83	. 20	01
	y		1951		Percent	<u>بر</u>	33	33	%	38	32	읔	— بح	ಜ	33
	□ Density		1950		Percent	36	元	으	1,2	크	읔	읔	0	84	0
	won5.	Fitteen	year	Avg.*	Percent	33	38	33	775	읔	38	38	38	=	37
Number	Courses	in	Average			50	7	0	w	0	11	9	m	w	m
	ntent	-1 Bight all	1950 1951		• In	.9 17.1	10,3 13,9	1	.0 18.2		.2 13.h			8,8	7.0 0.
	Water Content	Fifteen	rear 19	Avg.*	In. In	12,4 12		23.7 21		~	15.0 12	7.8 15	5.8	12,6 8	1,1
	h	드	1951 y	A	In		42.3	55.0	51,0	35.1	12.0				
	Snow Depth		1950		In	35.8	23.1	53,3	17.6	26.0	30°8	39.7	0.0	16.6	0°0
	Snor	Fifteen	year	Avg.*	In.	35,3	29.2	9°09	42.3	30,5	39.2	20,3	15.4	28°6	11.0
	WATERSHEDS				COLORADO RIVER	Colorado River*	Roaring Fork	Plateau Creek	Yampa River	White River	Gunnison Piver	Green River	Dolores River	San Juan River	Animas River

**Colorado (above Glenwood Springs)

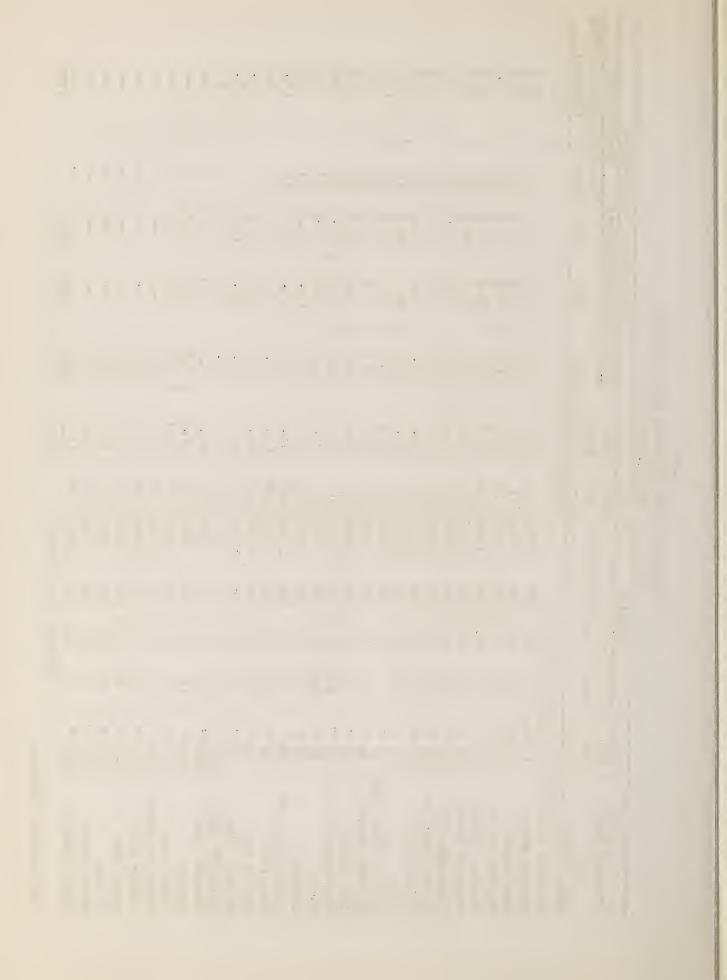
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-6-COLORADO RIVER DRAIMACE SMOW SURVEYS May 1, 1951

			Loca	Location					Snow Co	Cover Measurements	suremer	ıts
Drainage Basin	No.					Date	Snow	Water C	Content ((Inches)	Pe	Past Kecord
	and	Sec	Two.	Range	Elev.	of	Depth				Yrs. of	Av. Mater Content
Snow Course	State		!			Survey	(Inches)	1951	1950	1949	Rec.	(Inches)
		,				COLORA	O RIVER					
COLORADO RIVER (at	above die	2	Springs	(23)			0		-	1	j	[((
Cameron Pass*	1 0010		S	76W	10300	1/30	8. 9. 9.		24.2	24.5	끇,	23.7
Park View*	11 2	24	<u></u>	78M	9200	5/1	28,4	8.9	9.1	7.0	Η Σ	7.0
Phantom Vallev	12 "	7	SN	7511	9300	1/30	31.9	11.2	6.N	6.1	15	w w
Hoosier Passa	177	13	88	7811	11/100	4/30	53.2	16.7	10.4	9.1	IJ	10.9
Rerthond Pass	191	3,5	28	75W	9700	5/2	54.4	20.8	12.6	14.3	15	14.5
Tennessee Dass	10 11	12	83	80M	10200	5/1	32.6	11.8	8	3.4	15	7
	37 "	16	(S)	777	0006	1/30	28.8	11.2	6.9	1.8	77	7
Fiddler Gilch	= 1	 	88	80M	11000	1,729	67.4	20.9	16.0	14.4	17	14.6
	- - -	27.	7	764	10200	1/29	68.0	25.1	20.3	19.2	11	19.3
willow Greek Pass	= (2)	\	N	7837	9500	5/1	15.2	14.8	15,8	14.1	13	12.9
Grand	= 179	56.	3	75	0006	1,/29	27.8	7.8	ν, ω	5.2	13	7.3
	55	00	Z.	751	10600	1/28	84.4	34.5	21,0	26.1	13	23.4
Thunderbolt Feak	99	25	787	7111	9500	5/2	29.0	13.6	8.4	14.7	12	14.0
	n 69	34	13	75W	0066	5/2	32.5	r- 1	7.1	4.9	13	7.1
Lapland	102	16	2S	7611	9500	5/1	38.0	12.8	11.7	7.6	13	8.4
Fremont Pass #2	11 62	2	88	797	11400	4/27	76.3	27.7	19.2	14.9	됬	17.1
33	11 16	27	SN	83W	9100	1/28	19,2	6.4	7.2	9.9	15	
Shrine Pass	11 96	15	sy	7911	10500	4/27	68.9	25.5	20.2	16.3	6	17.8
Grizzly Peak	11 26	2	SZ	76.7	11250	4/27	81.1	·	23.0	15.8	0	18.7
Glen-Mar Ranch	102 "	31	2S	77.	8850	1/30	23.5	8.9	ص ش	3.6	7	7.5
Monarch Lake	106 "	9	211	717	8500	5/1	26.2	1. 6	۳. ۳.	0.0	2	1
Granby	112 "	11	2N	777	8700	1/29	13.0	3.0	H.3	2.5	2	!
Grand Lake	127 "	36	P	75.7	8600	1/30	22.3	м œ	0.0	7.7	2	1
Berthoud Summit	138 "	10	311	75.	11300	1/29	68.6	19.7	1	i	1	!
Frazer View	139 "	34	2S	75.1	10600	4/29	148.3	m	1	1	ı	!
Gore Pass	143 "	2	TN	82.1	8900	1/28	28.2	2.6	}	!	ı	1
Frisco	170	18	es S	78.	9300	14/27	30.3	10.0	1	1	1	!
Snake River	177 "	6	S S	76.1	9700	4/27	36.4	12.7	1	1	ı	1
Summit Ranch	158 "	80	ST	787	10000	1/28	33.6	10.5	1	11	ı	1
		Av	Average	for dr	drainage'	April 1900 - Services	148.5	17.1	12.9	11.7		12.4

*On adjacent drainage



-7-COLORADO RIVER SNOW SURVEYS May 1, 1951

					May 1, 1751	1727						
		Location	tion						Snow cover Measurements	er Meası	rement	33
Drainage Basin	No.				Date	-	Snow	Water	Content(Inches		Pe	Past Record
and	and	Sec.	Twp.	Range	Elev.	Н	Depth				rs. of	Yrs. of Av. Water Content
Snow Course	State					vey (Survey (Inches)	1951	1959	1949	rec.	(Inches)
					COLORADO	O RIVER	超					
ROARING FORK						,		,			,	,
Ind. Pass Tunnel	33 Colo.	8	113	ω ,	⊋.		59.6	20°6	18.5	13.7	77.	16.9
N.Lost Trail Cr.	34 "	50	1155	Φ,			12.0	10.2	7.6	6.7	77,	8.00
Nast	元 =	_	98	8311	<u>=</u>		8.9	2.7	000	1,	77	T•1
Ivanhoe	100	12	98	824	10400 4/3		ဆီ	22.1	15.1	23.a	ı,	16.9
Woods Lake	131 "	0	သ္ထ	8337			10.6	14.0	17.3	1	-	1
Ruby	14t "	7	125	8311	11500 4/3	/30 _ 5	9.7.0	18.5	į	1		1
Lincoln Gulch	145 "	77	113	8377	10700 4/3		50°2	20°5				0 1
		A	Average	for	drainage		2.3	13.9	10,3	11.3		11.2
YAMPA RIVER												
Dry Lake	6 Colo.	56	NZ.	81 _{JM}	8200 4/2		4.2	18.7	16.3	16.5	15	15.2
Columbine Lodge*	= &	Z	5N	82W			69.8	28,8	20.8	21.4	H H	19.3
Elk River	n 6	9	TON	8511			39.2	12.3	17.9	11.3	15	12.4
Lynx Pass*	116	22	SN	8311	9100 4/28		19.2	6,4	7.2	9°9	15	ຜູ້
Routt Line	170 "	2	臣	8314		JL	3,8	47.1	ł	1		-
Rabbit Ears	141 "	9	K	83W			77.07	31.1	1	1	-	0.0
Yampa View	142 "	덩	<u>N</u>	81 _j m			11.7	12,3	1	1	de description of	1
Old Battle*	9 Wyo.	8	14N		9800 4/2		85. 7.	34.9	37.7	36.9	15	33.2
		A	Average	for d	drainage		1.0	18.2	20,0	18,7		17.7
WHITE RIVER					e de la constante de la consta						•	
Burro Mountain	35 Colo.	건	श्च	9114	9000 5/2		7,2	11.1	15.0	16.2	15	14.9
Rio Blanco	36 #	28	F	88M	8500 5/1		38.7	15.3	6.7	13,3	15	4.6
		4	Average	for	drainage	<u>.</u>	5.1	13.2	10.9	14.8		12.2
PLATEAU CREEK												1
Mesa Lakes	56 Colo.	35	115		10000 4/30		39.0	10.6	10.7	12.9	17	15.8
Trickle Divide	85		118	94	10000 5/5		600	23.5	31.5	28.9	Ħ	31.6
		₫	Average	for	drainage		0.4	T.V.T	777	20.7		23.1

*On adjacent drainage

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CONTROL TOWN CONTROL TO THE STATE OF THE STA

COLORADO RIVER SNOW SURVEYS
May 1, 1951

1		Location	ion						Snow	Snow Course Measurements	<i>l</i> leasurer	nents
Drainage Basin	No.					Date	Snow	Water	Content (Inches,		Past Kecord
and	and	Sec	Twp,	Range	Elev	of	depth		h ann watch		Yrs. of	Av. Water Content
Snow Course	State		- 1			Survey	minutes and a	1951	1950	1949	Rec.	
					COLORADO RIVE	O RIVE	در		. , , , , ,			
GUNNISON RIVER										,		,
Crested Butte	18 Colos	22	138	86W	9006	2/7	23.4	ທ໌	7.5	, ,	17	6.5
Marshall Pass	1,2 "	24	18N	6	109001	h/29	43.5	13.5	7.6	12.4	님	10,2
Poncha Creek*	113 "	19	TH8N	Æ	10500	h/29	42.6	14.4	3.7	9.5	15	8,3
Park Cone	, 9 [†] 7	13	14S	82III	9700	5/1	24.3	7.2	4,3	2,5	14	4.7
Alexander Lake	53 =	0	128	25W	10000	2/5	61.4	17.9	22,5	24.8	14	24.4
Snowshoe Wesa	55 =	17	138	89	7500	1/30	0.0	0.0	2,1	0.0	14	1.2
Ironton Park	58 =	53	133N	1	9800	7,7	3.7	1.2	0.0	7.0	14	8.4
Trickle Divide	85 =	23	113	画6	10000	5/5	70.9	23.5	31,5	28,9	H	31.6
Park Reservoir	28	34	118	MT/6	9500	5/1	65.1	20.9	28.6	26.0	11	26.8
Porphyry Creek	89 "	13	N677	6 E	10800	1/56	63.1	23.2	11.3	17.0	디	16.8
Fannah Creek	101 "	ひ	128	95	10,00	5/1	64.4	19,6	22.7	22.6	-	26.1
Lake City	107	13	43N	一百	10300	5/1	0,0	0,0	0.0	5.2	m	
Spring Cr. Pass	123 #	2	1,2N	m	100601	4/27	12.3	3.9	0.0	10.8	2	1
Cochetopa Pass	1.26 "	12	15N	選	10000	1/30	10.5	3.1	0.0	1.1	2	•
McClure Pass	132 "	Н	113	89111	9500	1/28	36.6	11.9	11,2	i	2	•
Long Gulch	159 "	-	52		9100		12,7	2.2				
		-3.	Average	for	Orainage	a)	42.0	13.4	12.2	14.2		15.0
SAN JUAN RIVER												
Wolf Creek Pass*	26 Colo.	7	37N	铝	10000	1/30	0°69	20.9	16.8	39.5	3	27.0
Upper San Juan	29 "	13	37N	田田	10000	1/30	75.6	23.2	23.1	13.8	15	31.4
Silverton Sub.S.	30 "	97	E	2	0076	1/30	000	0.0	0.0	0.0	15	1.2
Cascade	31 "	12	39 N	116	8850	i ₄ /30	0°0	0.0	0.0	0.0	15,	2.7
Granite Peaks	= 200 200 200 200 200 200 200 200 200 20	24	37N	EW.	7950	1/30	0°0	000	000	0.0	21	6.0
La Plata	135 "	4	36N	117	9700	1/30	0,0	0.0	0.0	I	-	1
Wolf Creek Summit	155 #		37N	c-3	11000	11/30	73.9	22.1				
		A	Average	for U	Urainage		28.9	ည်	တီ	16.7		12.6

*On adjacent drainage

•	: :	;		413 1	ide Jen	\$2 };		の対	- Sanga Colonias.	**	ş , , ,	# 1	İ	gent T	Citi	- ៩១ - ស្វី - ស	i in	· .:: () :	. pr	\$ 100 miles	. ~ ? . \$, **• . ::::::::::::::::::::::::::::::::::::	1.0 (1) (-)	/% i	<i>(</i>		1	1			and to specify the same of the same
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-9-COLORADO RIVER SNOW SURVEYS May 1, 1951

ts	Past Record	f Av. Water Con-	tent (Inc			1.2	2.7	8.4	1	1	1	;	1	1.7		1.2	1.3	14.9		5.8 5.8	3.8	v.	٠, ۲	7,5	13,2	7.8
uremen		Vrs. o.	Rec.			77	15	17	1	1	1	ŀ	1			17	15	17	2	no, un constituto de	15	۲. کار	יי טיי	J.F.	17	
se Meas	(Inches		1949		dian works	0.0	0.0	7.0	1	1	1	1	;	1:3		0.0	0.0	24.7	0.6	8.2	0,4	3°F	2,0	6-1-9	8.7	0°9
Snow Course Measurements	Water Content		1950			0.0	000	0.0	1	1	1	1	1	0.0		0.0	0.0	0,0	0.0	0°0	11.8	13.4	7.5	14.5	22,2	15.9
S	Water		1951			0.0	0.0	1.2	16,6	2,0	1,9	10.1	28.8	7.0		3.2	0,8	10.0	6.7	7-9	11,2	13.3	20,0	19.0	26.5	17.5
	Snow	Depth				0°0	000	3,7	10.8	12,3	11,9	26.5	71.4	1,2		11.8	1,0	42.4	33.0	19.1	32.0	38.1	0,7°	18.7	60,57	43.3
	Date	ن 0 کیا	Survey) RIVER		1/30	1/30	5/1	17/28	1,728	1,729	17/29	14/28			17/29	5/5	14/29	2/5		4/30	1/30	7,700	7,6	2,6	Total matrix
		Elev.		COLORADO		0076	8850	8700	10700		9800	10300	11000	ainage		8700	8600	10300	9700	inage	8700	8900	200	8000	8820	inage
		Range		ပ		R	15	K	8	E	77	£		or dr		17	88	101	116	or dra	104W	1087	הלרות הלות	114W	11 LW	for drainage
		-duL				NT1	39N	13N	10N	Not	17N	42N	1 42N	Average f		39N	12N	1		Average f	31N	35N	2010	29N	29N	Average 1
Location		Seco					12	53	32	2	Ľ	33	<u>n</u>	Ave		11	9	77	ω	Av	33	17	3-	12	13	Ave
Loca	No.	and	State			30 Colo.	37 "	58 =	149 "	150 "	151 "	152 "	153 "			23 Colo.	24 "	25 "	1174 "		23 Wyo.	5th	200	27 #	28 "	
	Drainage Basin	and	Snow Course		ANIMAS RIVER	Silverton Sub.S.	Cascade	Ironton Park	Spud Mt.	Wolas Lake	Howardville	Mineral Creek	Red Mt. Pass		DOLORES RIVER	Rico	Telluride	Lizard Head	Trout Lake		GREEN RIVER Dutch Joe	Mulligan Park	Toom's Park	Snyder Basin R.S.	Piney-LaBarge	

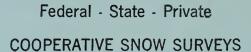
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Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

"WATER IS THE WEST'S GREATEST RESOURCE"